

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a system including a client that has a connection with a source server, wherein the connection has a bandwidth and wherein the client has a memory, a method for displaying a video stream without suppressing the video stream, the method comprising:

the client connecting with the source server to select and receive a video stream, the video stream being in the MPEG format;

decoding and processing the video stream received by the client from the source server, wherein memory and resources of the client are required to decode and process the video stream;

monitoring the memory and resources of the client as the video stream is decoded and processed to ensure that the client has sufficient memory and resources to decode and process the video stream;

upon determining that the client lacks sufficient memory and resources to decode and process the video stream, the client requesting that the source server transmit only specified key frames of the MPEG video stream, the key frames consisting of either (a) intra frames or (b) intra frames and predictive frames of the MPEG video stream; and

wherein the client request to transit only specified key frames causes the source server to determine, for each frame in the video stream, whether a frame in the video stream is one of the specified key frames and which further causes the source server to transmit the frame to the client when it is determined that the frame is one of the specified key frames and to drop the frame from the video stream being transmitted to the client when it is determined that the frame is not one of the specified key frames.

2. (Canceled)

3. (Previously Presented) A method as defined in claim 1, wherein the specified key frames consist of all of the intra frames and some of the predictive frames in the video stream.

4-8. (Canceled)

9. (Currently Amended) In a system that receives a video stream from a source server over a connection that has a connection bandwidth, a method for displaying the video stream when the video stream requires more bandwidth than connection bandwidth, the method comprising:

connecting with the source server to select and receive a video stream in the MPEG format, wherein the video stream is available in one or more versions and wherein each version requires a different bandwidth;

upon determining that the connection bandwidth is insufficient to support the bandwidth required by the selected video stream, the client requesting that the source server transmit only specified key frames of the MPEG video stream, the key frames consisting of either (a) intra frames or (b) intra frames and predictive frames of the MPEG video stream; and

wherein the client request to transit only specified key frames causes the source server to determine, for each frame in the video stream, whether a frame in the video stream is one of the specified key frames and which further causes the source server to transmit the frame to the client when it is determined that the frame is one of the specified key frames and to drop the frame from the video stream being transmitted to the client when it is determined that the frame is not one of the specified key frames.

10. (Canceled)

11. (Original) A method as defined in claim 9, further comprising assessing available memory of a set top box, wherein the available memory of the set top box affects which version of the video stream is selected by the set top box.

12. (Previously Presented) A method as defined in claim 9, wherein the client makes an additional request for specified key frames if the connection bandwidth changes.

13. (Previously Presented) A method as defined in claim 12, wherein making an additional request for specified key frames further comprises:

monitoring the connection bandwidth; and
requesting specified key frames such that the frames downloaded to the set top box depend on how much connection bandwidth is available.

14-21. (Canceled)

22. (Currently Amended) A computer program product for use in[[~~in~~]] a system that receives a video stream from a ~~source server~~ over a connection that has a connection bandwidth, [[a]]~~the~~ computer program product for implementing a method for displaying the video stream when the video stream requires more bandwidth than connection bandwidth, the computer program product comprising:

a computer readable storage medium having stored computer executable instructions for performing the method, the method comprising:

connecting with the ~~source server~~ to select and receive a video stream in the MPEG format, wherein the video stream is available in one or more versions and wherein each version requires a different bandwidth;

determining that the connection bandwidth is insufficient to support the bandwidth required by the selected video stream, the client requesting that the ~~source server~~ transmit only specified key frames of the MPEG video stream, the key frames consisting of either (a) intra frames or (b) intra frames and predictive frames of the MPEG video stream; and

wherein the client request to transmit only specified key frames causes the ~~source server~~ to determine, for each frame in the video stream, whether a frame in the video stream is one of the specified key frames and which further causes the ~~source server~~ to transmit the frame to the client when it is determined that the frame is one of the specified key frames and to drop the frame from the video stream being transmitted to the client when it is determined that the frame is not one of the specified key frames.

23. (Canceled)

24. (Original) A computer program product as defined in claim 22, further comprising assessing available memory of a set top box, wherein the available memory of the set top box affects which version of the video stream is selected by the set top box.

25. (Previously Presented) A computer program product as defined in claim 22, wherein the client makes an additional request for specified key frames if the connection bandwidth changes.

26. (Previously Presented) A computer program product as defined in claim 25, wherein making an additional request for specified key frames further comprises:

monitoring the connection bandwidth; and

requesting key frames such that the frames downloaded to the set top box depend on how much connection bandwidth is available.

27. (Currently Amended) A computer program product for use in~~[[a]]~~ a system including a client that has a connection with a source server, wherein the connection has a bandwidth and wherein the client has a memory, ~~[[a]]~~ the computer program product for implementing a method for displaying a video stream without suppressing the video stream, the computer program product comprising:

a computer readable storage medium having stored computer executable instructions for performing the method, the method comprising:

the client connecting with the source server to select and receive a video stream, the video stream being in the MPEG format;

decoding and processing the video stream received by the client from the source server, wherein memory and resources of the client are required to decode and process the video stream;

monitoring the memory and resources of the client as the video stream is decoded and processed to ensure that the client has sufficient memory and resources to decode and process the video stream;

upon determining that the client lacks sufficient memory and resources to decode and process the video stream, the client requesting that the source server transmit only specified key frames of the MPEG video stream, the key frames consisting of either (a) intra frames or (b) intra frames and predictive frames of the MPEG video stream; and

wherein the client request to transit only specified key frames causes the source server to determine, for each frame in the video stream, whether a frame in the video stream is one of the specified key frames and which further causes the source server to transmit the frame to the client when it is determined that the frame is one of the specified key frames and to drop the frame from the video stream being transmitted to the client when it is determined that the frame is not one of the specified key frames.

28. (Canceled)

29. (Currently Amended) A computer program product as defined in claim 27~~[[28]]~~, wherein the specified key frames consist of all of the intra frames and some of the predictive frames in the video stream

30-34. (Canceled)

35. (New) The method of claim 9 wherein the selected video stream comprises a first version, the method further comprising:

subsequent to the client requesting and receiving only specified key frames of the first version, the client determining that the connection bandwidth is insufficient to support the transmission of the specified key frames of the selected video stream, and as a result, requesting that the server transmit a second version of the video stream wherein the second version requires less bandwidth than the key frames of the first version.